

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P650669

Luminaire Tested: **GALN-SA1C-840-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-840-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3120.9 lumens
Efficiency: N/A
Efficacy: 54.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

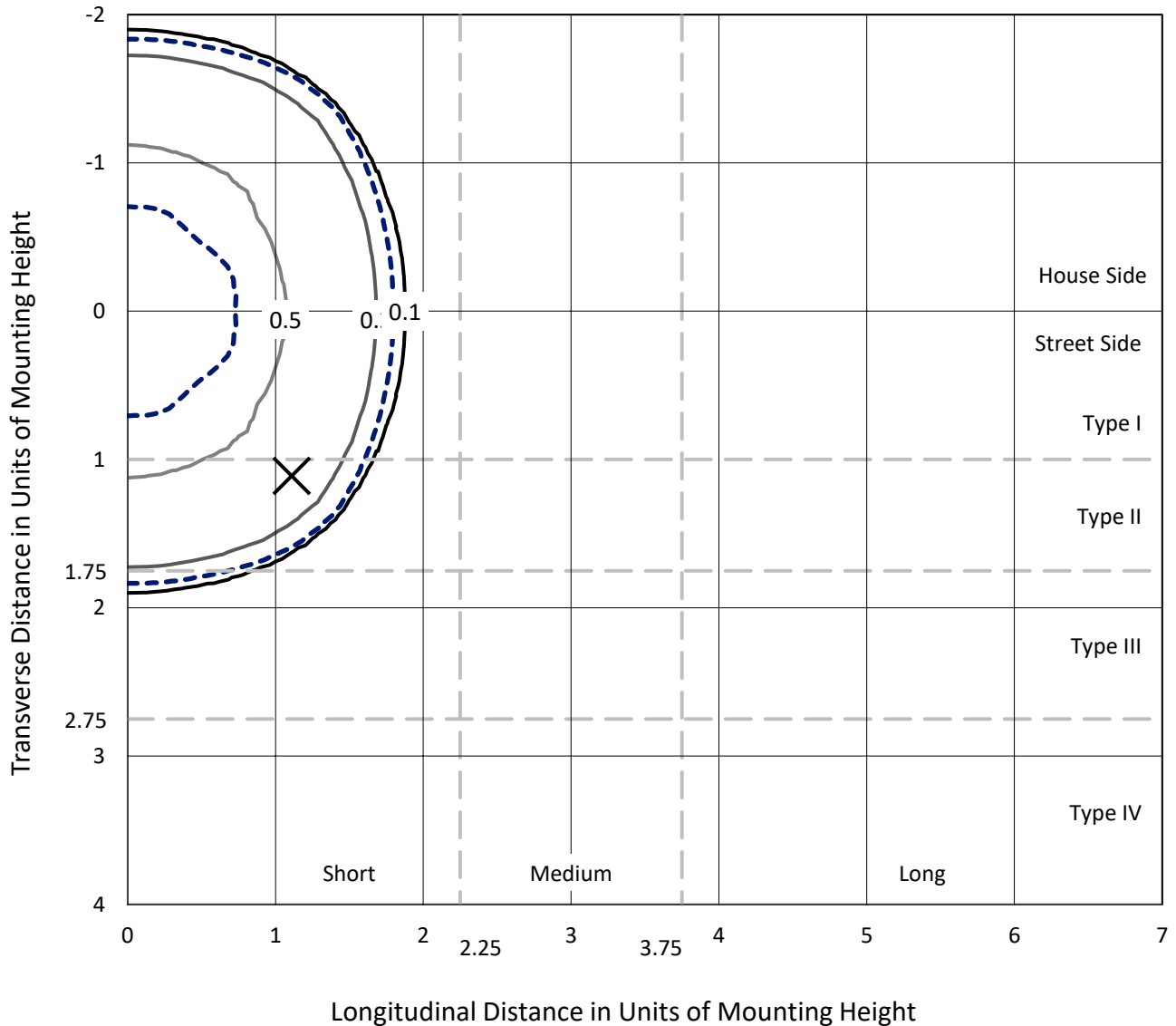
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

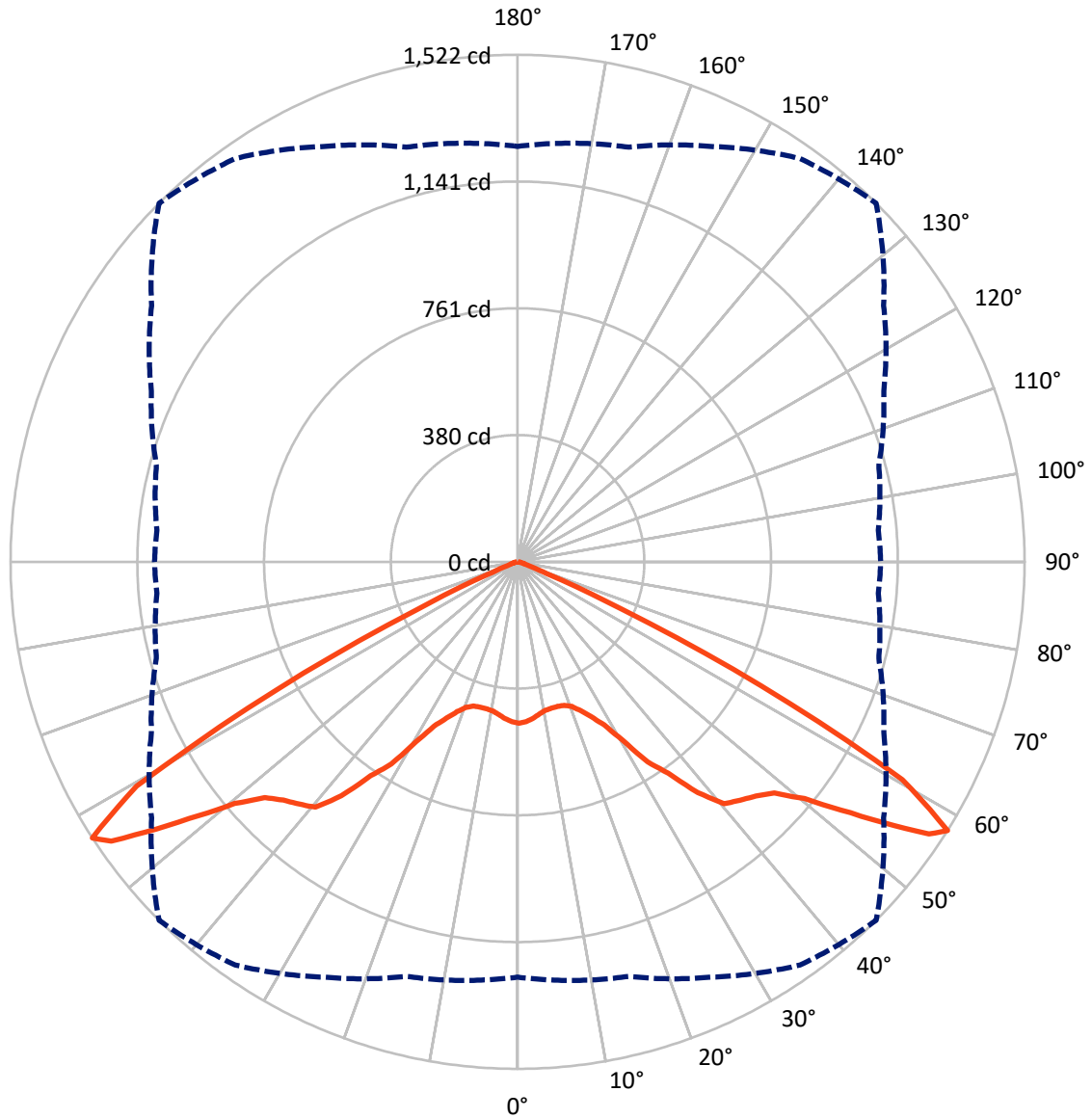
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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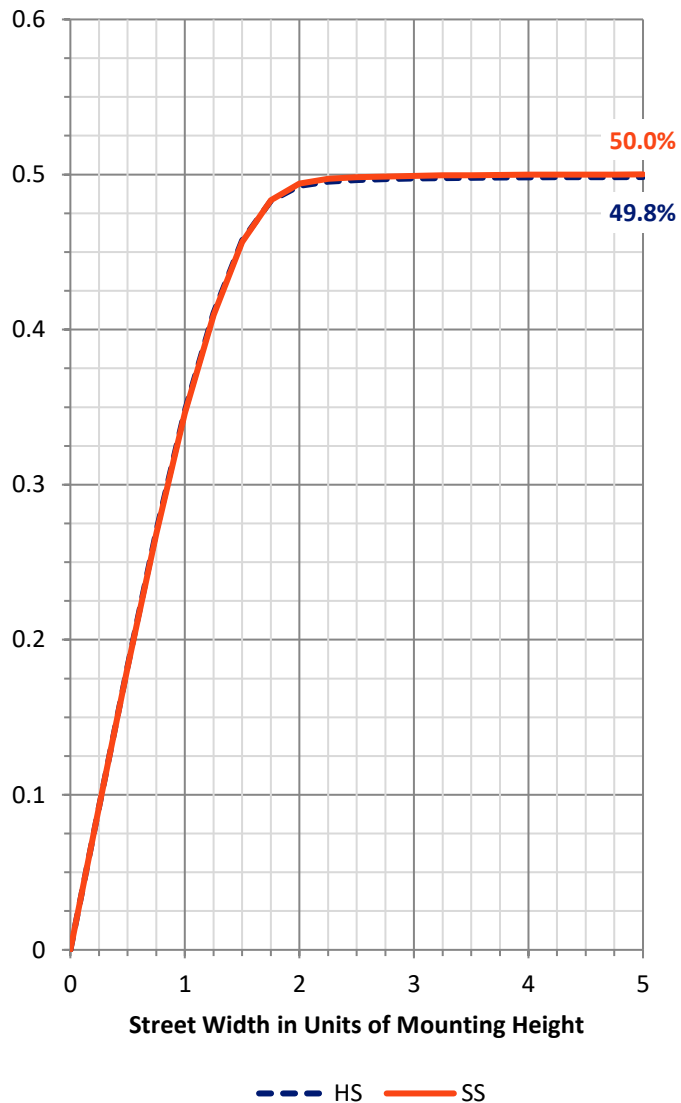
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1560.5	0.0	1560.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1560.5	0.0	1560.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3120.9	0.0	3120.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	1.4
10°-20°	128.6	4.1
20°-30°	237.4	7.6
30°-40°	466.8	15.0
40°-50°	760.2	24.4
50°-60°	1084.2	34.7
60°-70°	375.4	12.0
70°-80°	20.1	0.6
80°-90°	3.8	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3120.9	100.0
0°-180°	3120.9	100.0

Coefficient of Utilization

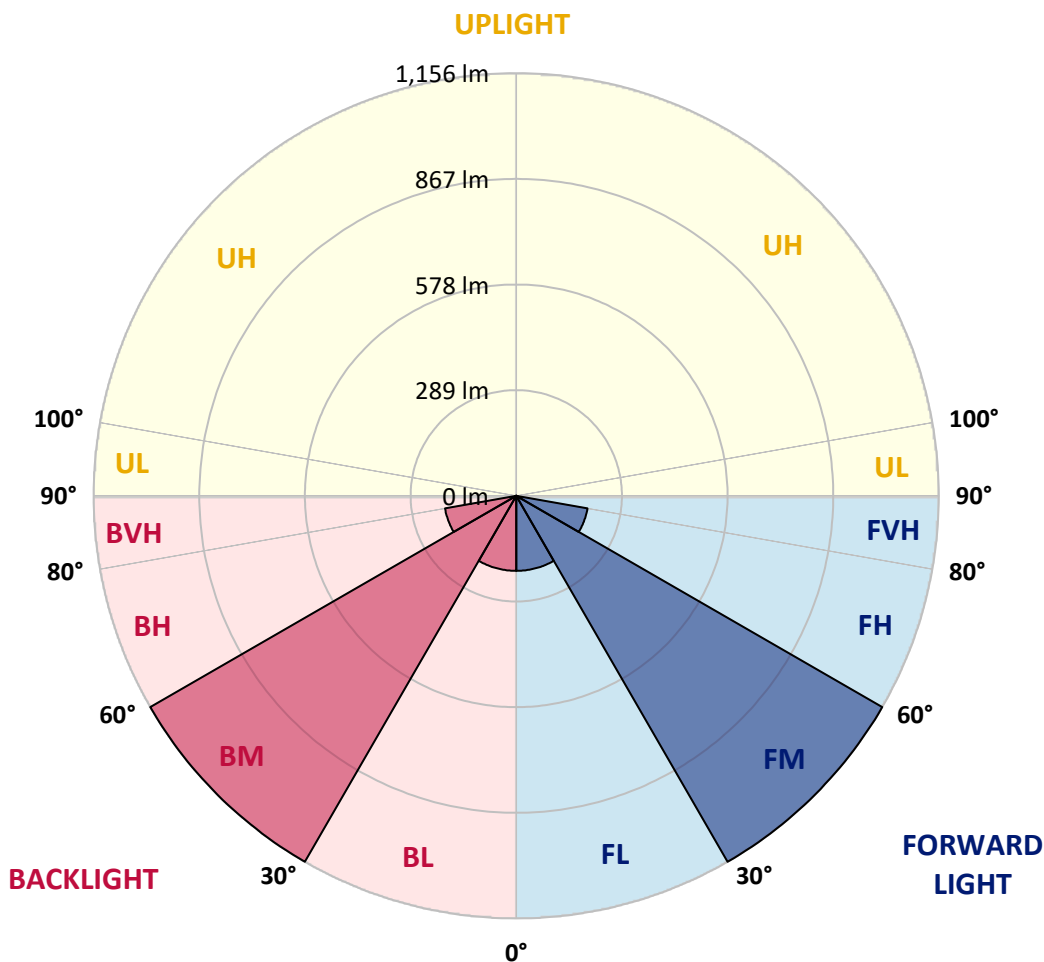


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.2	6.6			
FM (30°-60°)	1155.6	37.0			
FH (60°-80°)	197.8	6.3			G0/660
FVH (80°-90°)	1.9	0.1			G0/10
BL (0°-30°)	205.2	6.6	B1/500		
BM (30°-60°)	1155.6	37.0	B2/2500		
BH (60°-80°)	197.8	6.3	B1/500		G0/660
BVH (80°-90°)	1.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	484.1	484.1	484.1	484.1	484.1	484.1	484.1	484.1	484.1	484.1	484.1
2.5°	482.8	485.4	482.1	480.8	480.2	480.2	478.3	478.3	477.6	478.3	475.7
5°	475.0	477.6	477.6	476.9	473.1	472.4	470.5	469.1	469.8	467.2	469.1
7.5°	467.2	469.1	466.5	465.9	464.6	462.0	461.3	455.5	456.1	456.1	457.4
10°	465.9	465.2	461.3	458.1	454.1	453.6	451.5	450.3	450.3	449.6	451.5
12.5°	465.9	462.6	462.0	454.8	448.3	450.9	445.7	442.5	447.0	448.3	450.9
15°	465.2	468.4	457.4	454.1	449.6	450.3	445.7	442.5	445.1	446.3	448.3
17.5°	469.1	467.2	463.9	457.4	455.5	452.9	447.0	444.4	444.4	447.7	448.3
20°	479.5	474.3	467.8	464.6	466.5	463.3	456.1	446.3	448.9	451.5	453.6
22.5°	489.3	485.4	480.8	478.9	490.0	484.8	472.4	461.3	457.4	462.0	465.2
25°	508.1	508.1	499.7	502.3	514.7	515.4	501.0	481.5	478.9	480.8	482.1
27.5°	546.6	548.5	541.4	544.0	549.2	553.7	541.4	525.1	519.2	518.6	520.5
30°	588.2	592.1	591.5	602.5	617.5	620.1	601.9	575.2	557.6	554.4	557.0
32.5°	642.9	644.8	643.5	656.5	696.9	715.7	668.3	630.5	607.0	612.9	607.0
35°	745.6	743.7	729.4	732.0	765.1	778.9	733.3	709.2	698.2	709.9	707.3
37.5°	834.2	827.0	815.3	832.2	866.7	879.0	831.6	789.3	769.1	788.6	797.1
40°	909.0	890.8	874.5	891.4	937.6	954.5	884.9	850.4	842.6	856.9	875.1
42.5°	972.1	960.3	938.9	940.2	970.8	978.6	922.7	902.5	894.7	917.4	926.5
45°	1017.0	1005.9	985.7	984.5	1007.9	1002.6	952.6	938.9	943.4	958.4	962.9
47.5°	1039.7	1045.6	1033.9	1037.1	1049.5	1037.1	997.4	997.4	987.1	996.2	991.6
50°	1105.5	1087.2	1102.2	1102.2	1115.3	1116.5	1076.8	1062.5	1034.5	1019.0	1019.0
52.5°	1182.3	1183.5	1189.4	1210.9	1233.0	1251.9	1195.2	1134.1	1087.2	1067.1	1064.5
55°	1245.4	1258.4	1281.8	1322.1	1385.9	1412.0	1314.3	1205.0	1147.8	1116.5	1110.0
56°	1279.8	1267.5	1307.8	1363.2	1446.4	1480.2	1333.8	1219.4	1156.2	1121.1	1120.5
57.5°	1246.7	1260.3	1288.3	1375.5	1477.6	1521.9	1341.0	1212.8	1122.4	1086.6	1089.9
60°	984.5	997.4	1035.2	1132.8	1292.9	1327.4	1134.8	1000.0	919.4	868.0	868.7
62.5°	557.0	566.7	596.0	686.4	786.0	819.2	707.3	617.5	561.5	532.9	523.8
65°	205.0	201.1	205.6	251.8	312.9	340.9	294.1	248.5	219.2	208.9	205.0
67.5°	76.8	70.9	66.4	70.9	89.1	94.4	86.5	72.2	67.7	69.6	70.9
70°	47.5	44.9	35.8	33.8	33.2	32.5	34.5	36.4	41.6	48.8	50.1
72.5°	33.2	31.2	25.4	24.1	22.8	22.1	25.4	28.0	32.5	37.8	38.3
75°	13.0	13.6	13.0	14.3	15.0	15.6	18.2	20.2	22.1	22.1	21.4
77.5°	2.6	2.6	3.9	5.2	6.5	8.5	12.4	14.3	15.0	14.3	12.4
80°	0.0	0.0	1.3	2.6	5.2	7.1	11.1	12.4	13.6	12.4	9.8
82.5°	0.0	0.0	1.3	3.3	5.2	6.5	10.4	13.0	15.0	13.6	10.4
85°	0.0	0.0	1.3	2.6	3.9	4.5	4.5	3.3	3.3	1.9	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)